

How to connect the grounding jumper in the distribution box

A comprehensive guide on properly grounding an electrical panel according to NEC Article 250. Learn the difference between grounding and bonding, electrode types, and safety steps.

Master the NEC rules for the main bonding jumper. Learn its correct location, size, and purpose to ensure an effective ground-fault current path in service equipment.

If the main bonding jumper specified in Sec. 250.28 is a wire or busbar, you can terminate the GEC to the equipment grounding terminal, bar, or bus to which the main bonding jumper is connected, ...

In an electrical panel or load center, the Main Bonding Jumper (MBJ) is the conductive connection that bonds (connects) the grounded conductor (neutral) to the equipment grounding conductor and the ...

An equipment bonding jumper shall be used to connect the grounding terminal of a grounding-type receptacle to a grounded box. EXCEPTION: No. 1: Where the box is surface-mounted, direct metal ...

Learn how to connect equipment grounding conductors to receptacles and keep their continuity in boxes.

You need a 1/0 AWG supply-side bonding jumper for each raceway [250.102 (C) (2) and Table 250.102 (C) (1)]. A single supply-side bonding jumper is permitted for multiple raceways based on the ...

Where a metal box is mounted on the surface, the direct metal-to-metal contact between the device yoke or strap to the box shall be permitted to provide the required effective ground fault current path.

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When connecting, it is necessary to strip the wire for a distance, then connect it to the terminal, and tighten the screw with a screwdriver to ensure a firm connection.

In a metal box, a wire type equipment grounding conductor can be attached to the box with a ground screw or clip and terminated to the switch or receptacle in the box.



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